

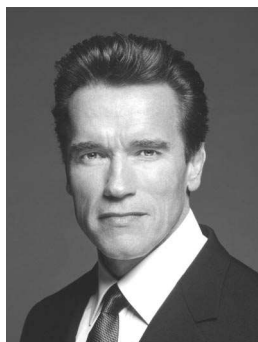
Energy Bears

Coloring and Activity Book



The California Department of Community
Services and Development (CSD)

Hello Boys and Girls,



This book is for you.

Follow Billy and Ellie—the Energy Bears—in this story. See how they help their friends and family save energy and money.

Learn how you can keep your home warm in the winter and cool in the summer.

Please share the many things you learn with your friends and family. In the back of the book, you will also find out where they can get help to pay their energy bills.

Enjoy coloring the pages, playing the games, and solving the puzzles.

Your Friend,

A stylized, handwritten signature of Arnold Schwarzenegger in black ink.

Arnold Schwarzenegger
Governor of California



Energy Bears

Coloring and Activity Book



presented by
The California Department of Community
Services and Development (CSD)

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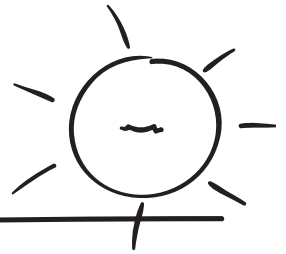
Illustrator
Tuyet Truong

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**Hi, we are Billy and Ellie, the Energy Bears.
We learned how to save energy in school. You can be
an energy bear too. Come on, we'll show you how to
save energy.**



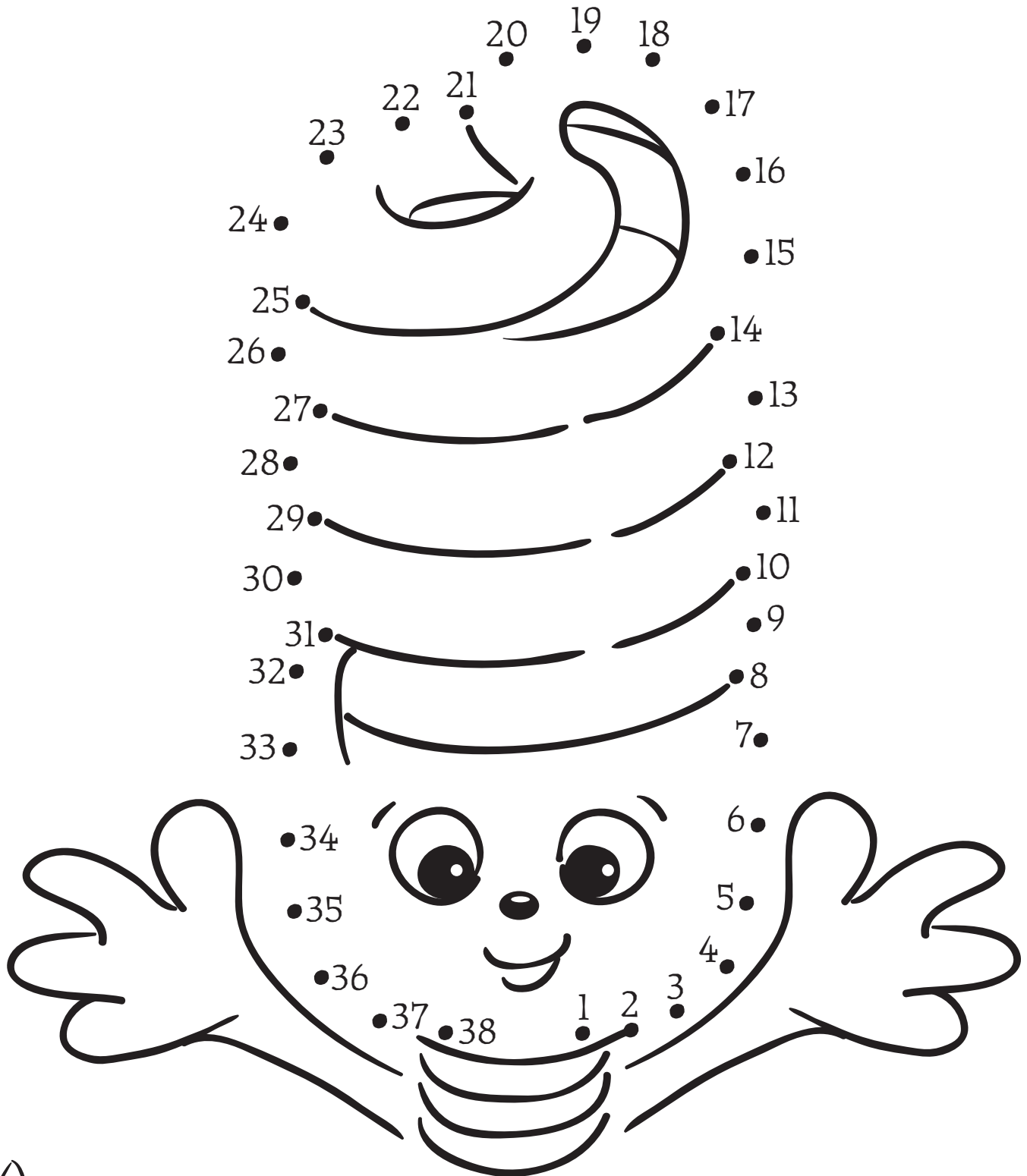
Can you reach the light switch? Remember to turn off the lights when you leave the room for more than 5 minutes.



Hi, I'm kW. I am a special light bulb called a compact fluorescent. (You say it like this: floor-es-cent.) Use me, and you can save up to \$80 a year. I will last for almost 5 years and use 25% less electricity. But don't forget to dust me! It makes me cough, and I cannot shine as bright.



Connect the dots from 1 to 38. Help KW get his fluorescent light back.



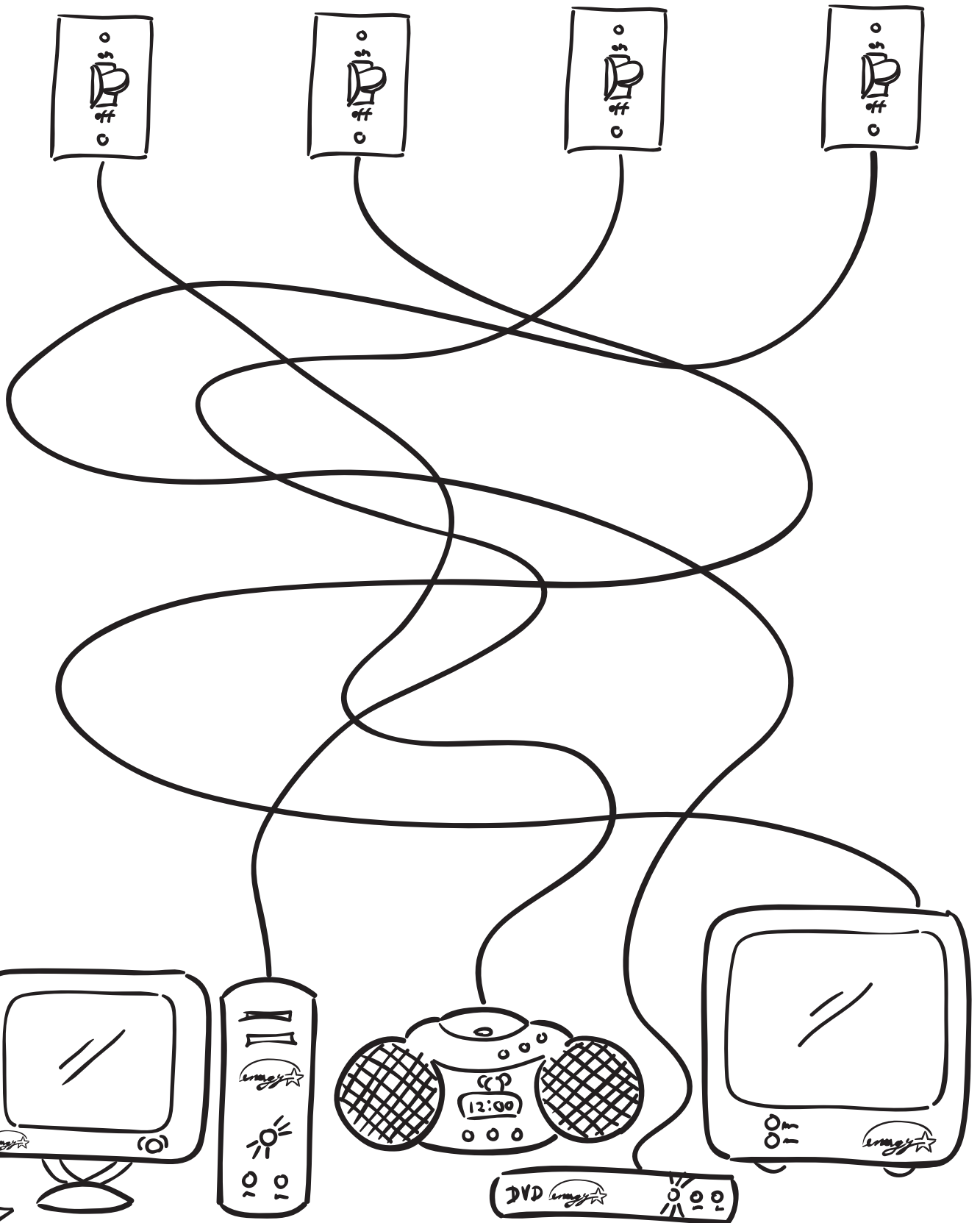
We always make sure to turn off the TV, video games, stereo, DVD, and computer when we are done using them.



Billy and Ellie are very smart to turn off the TV, video games, stereo, DVD, and computer when they are not being used. You can save a lot of energy by turning electronic products and lights off.



Help Billy and Ellie find the right switch for each item so they can turn them off.



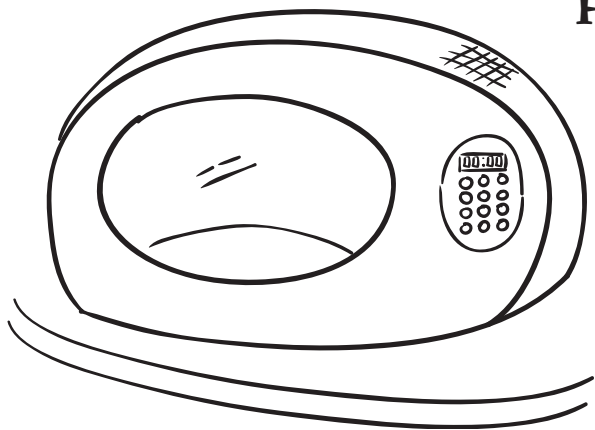
I'm hungry, Ellie. I would like some macaroni and cheese. We can make some in the microwave.



Good job Ellie and Billy! Using the microwave, toaster oven, and crockpot can save energy too. They use less energy than the stove and oven. Don't PEEK! Every time you open the door or lift the lid, heat will get out and it will take longer to cook.



Find all the items that Billy and Ellie
can put in a microwave.



macaroni	meatloaf	cheese
spaghetti	chicken	hot dog
meatballs	noodle	pizza

U A S H I K O E S N O
 S K A N O O D L E G N
 O P C O S L L K S U P
 R I A U O A C O R L A
 D Z I G B I G E A P M
 A Z N T H O T D O G R
 I A A C H E E S E R O
 V E G M E A T L O A F
 M A S H C E P T T R L
 S M A C A R O N I S G

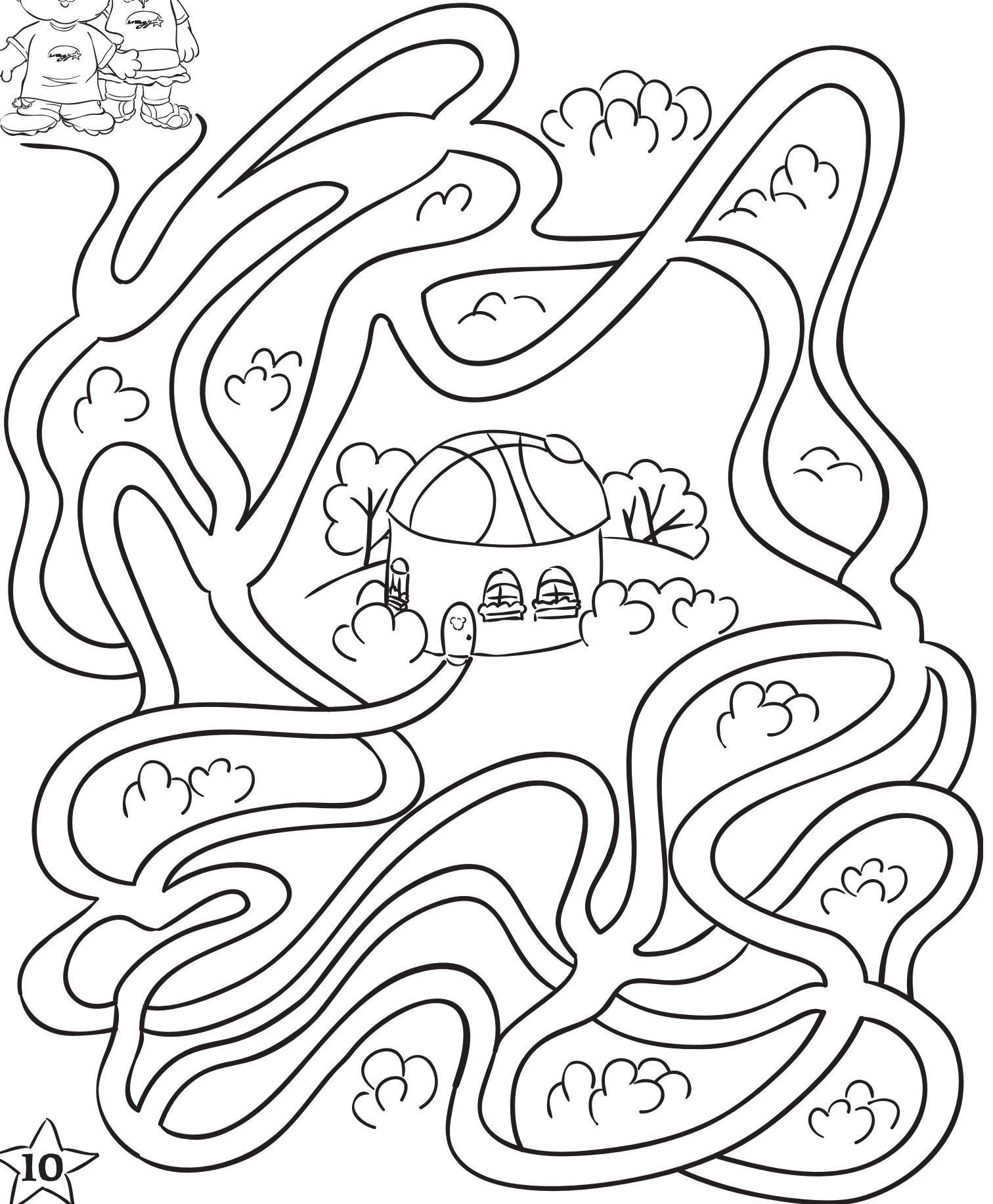
Billy, let's go over to Teddy's house. But before we go, we should cover our leftovers.



That is a good idea Ellie! If you do not cover your food, it makes your refrigerator work harder to cool down. That is why I ask everyone to decide what they want first, then open and close the door quickly! Do the same with your freezer.



**Help Billy and Ellie find their way
to Teddy's house.**



**Hi Teddy. Teddy, it helps to clean your lint filter
before drying your clothes.**

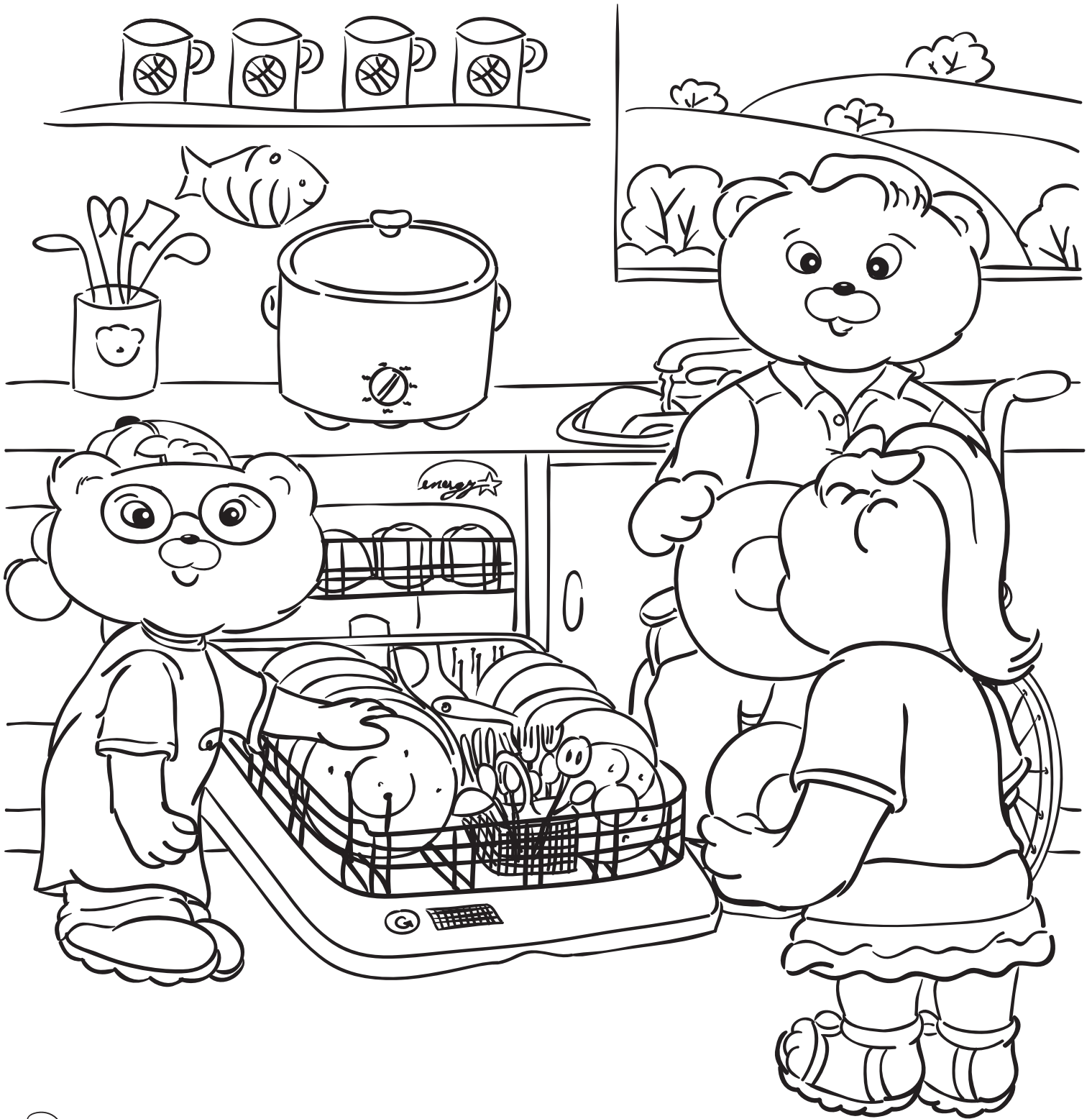


Ellie is right. Cleaning the lint filter after every load helps to dry your clothes faster. This uses less energy. An adult should check the outside vent to make sure it's not plugged too. Wash clothes when you have a full load. Using warm or cold water will also save energy.

The appliances that have the ENERGY STAR® can save a lot of energy and money. Circle all the ENERGY STAR® symbols (*energy*★) in this room.

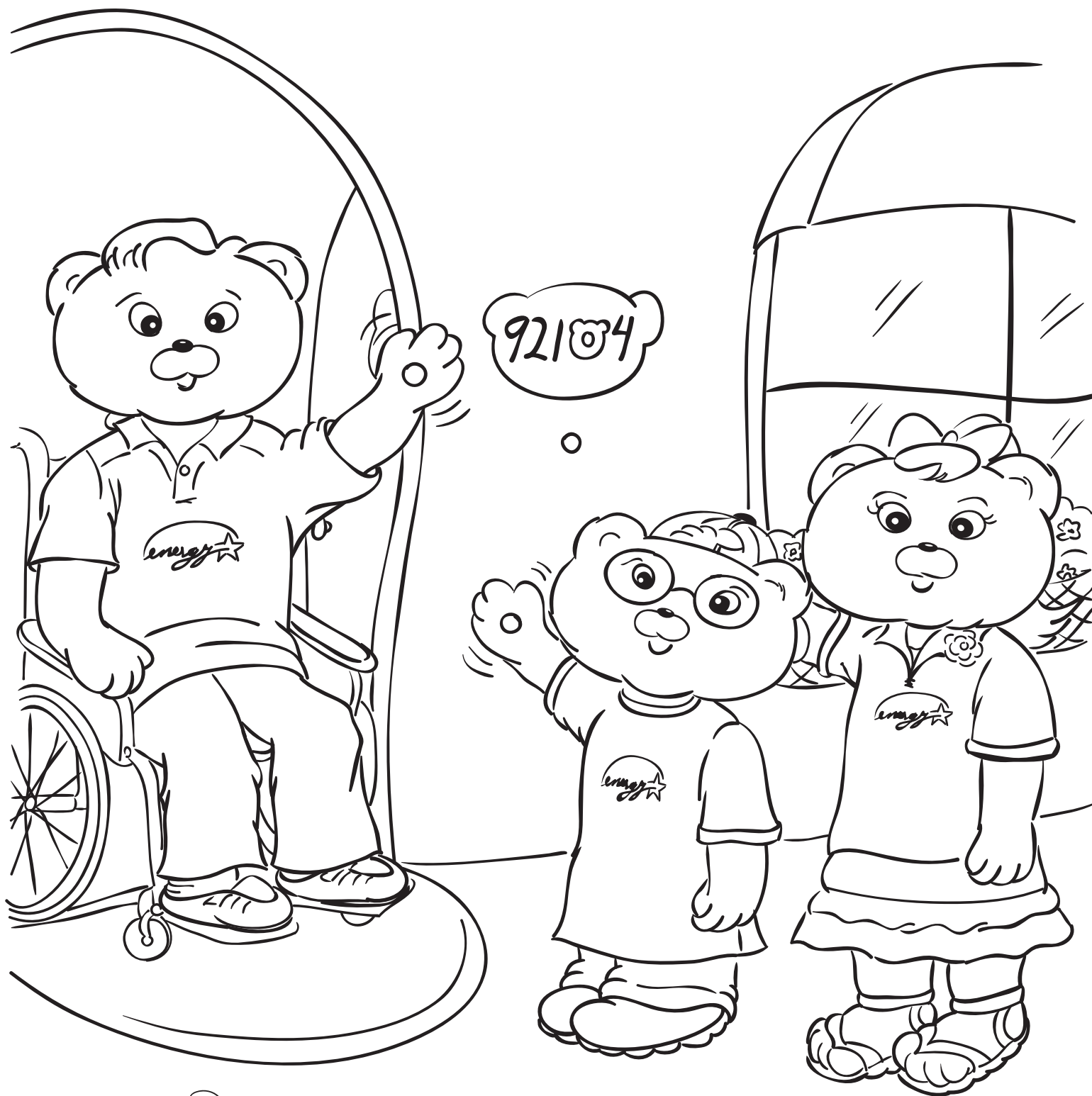


Teddy, we do not need to rinse the dishes before putting them in the dishwasher. It can clean them off for us.



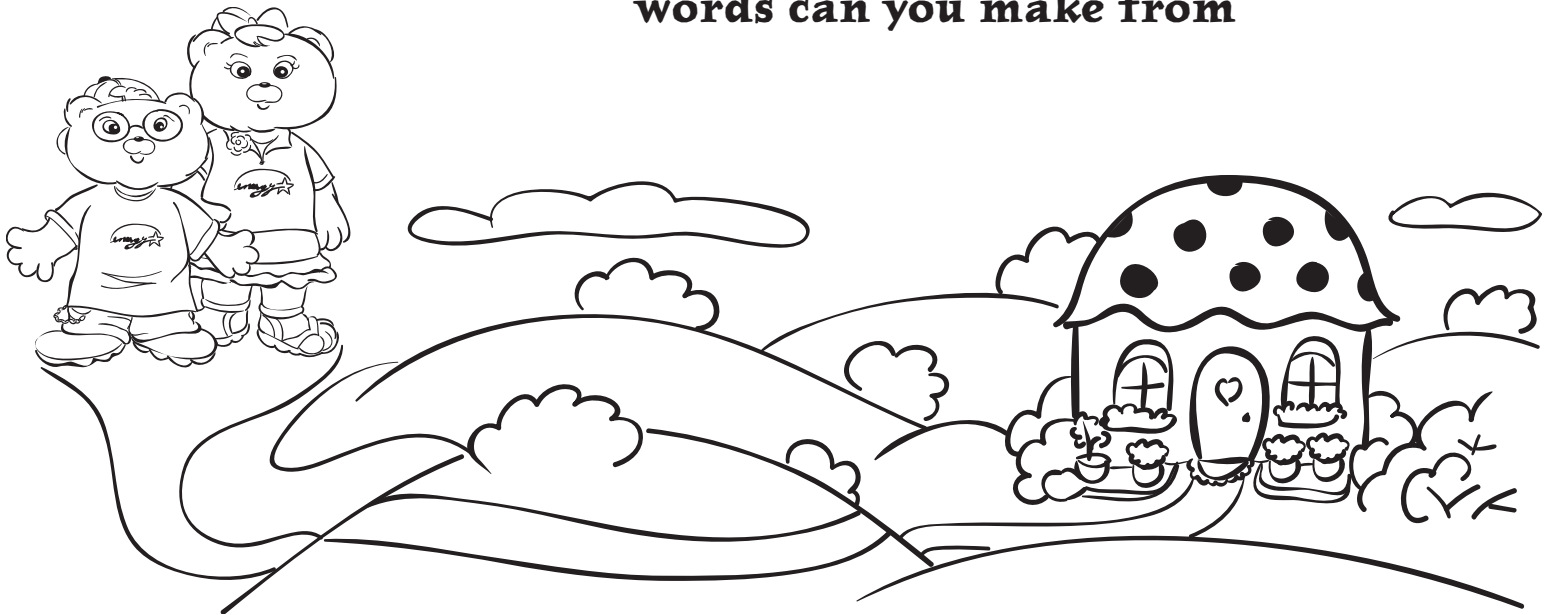
You are right, Billy. Rinse dishes only if they will sit for more than a day. Run the dishwasher only when it's full. This saves energy and water! Let the dishes air dry to save even more money on your energy bill.

Teddy, Papa wanted me to tell you that he will come by after work to check your water heater. See you later, Teddy. Come on Ellie, let's go see Mrs. Smith's new baby.



Billy's Papa is such a nice man. Your water heater will work better if it is wearing a special water heater blanket. This saves energy and money! Also, keeping the water heater set between 115°F - 120°F will help too.

Billy and Ellie are playing a game on their way to Mrs. Smith's house. How many words can you make from



KILOWATT?

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____



What is a kilowatt? It is my name — KW is short for kilowatt. Kilowatt is a unit of power that is equal to 1,000 watts.

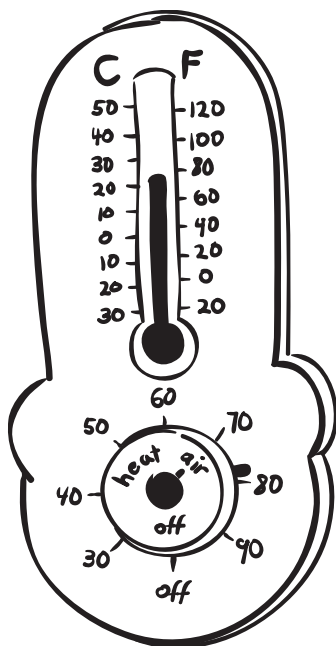
Wow, Mrs. Smith, your house is cold! Your thermostat is set too low. It should not be lower than 78°F on a summer day and 80°F on a summer night.



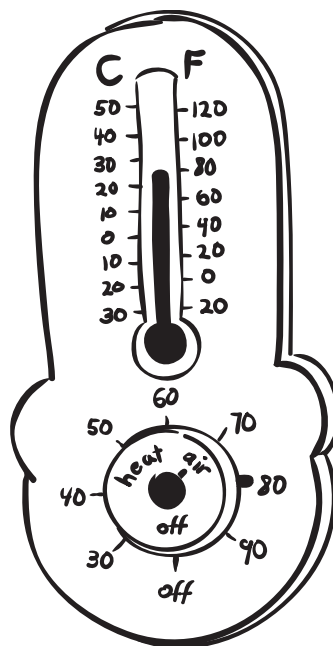
Setting the room temperature at 78°F on a hot summer day can save 3 - 5% on your utility bill. Keep cool in the summer by closing the window shades when the sun is shining. When it cools off at night, turn off your air conditioner and open some windows. You can feel the breeze better that way! Using fans is a great way to cool off too.



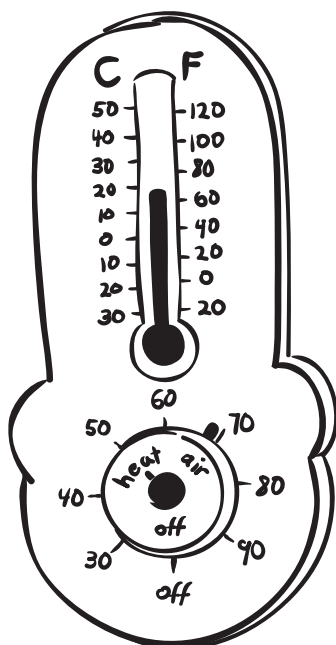
Read the thermostat and place an X on the correct temperature so Mrs. Smith knows what temperature to set for her home.



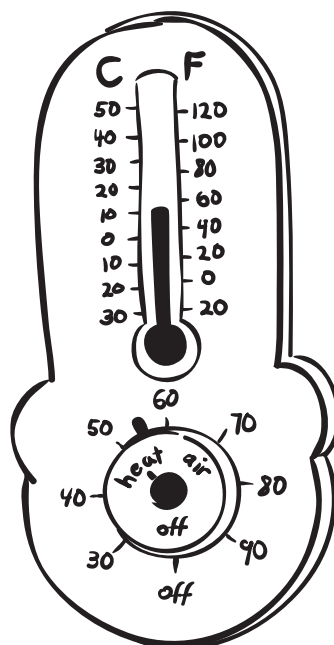
SUMMER DAY
78°F or 87°F



SUMMER NIGHT
80°F or 70°F



WINTER DAY
68°F or 86°F



WINTER NIGHT
70°F or 55°F

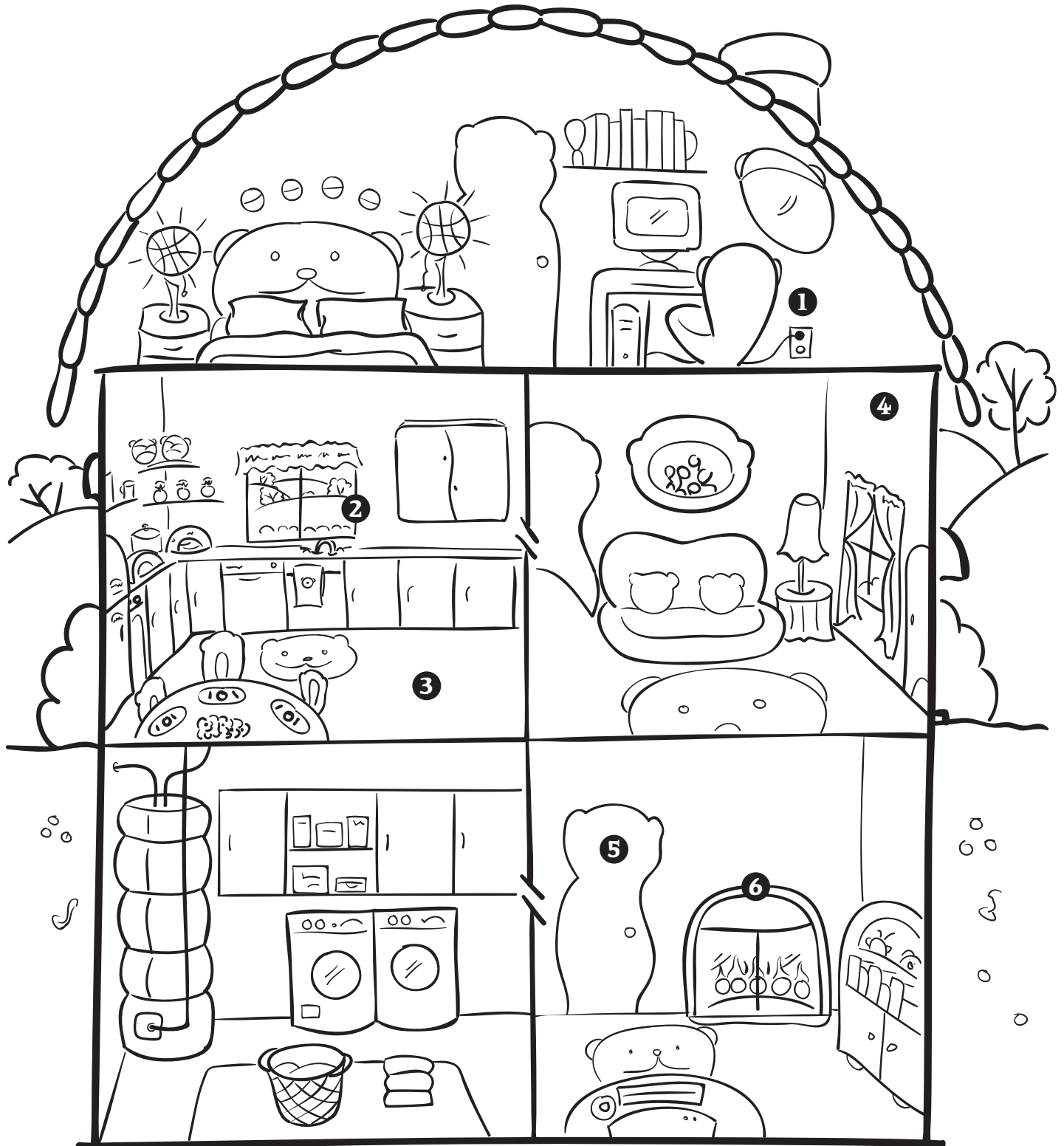


During the winter, set your thermostat at 68°F during the day and 55°F at night. Your family will save from 5 to 20% on heating costs. (Do not do this if it will cause health problems for anyone in your family.)

Billy and Ellie, you are home! Can you watch baby Gabi, Ellie? I am making dinner. Your Papa is checking the furnace before winter comes.



Warm air leaking into your home during the summer and leaking out during the winter wastes energy and increases your energy bill. Name the leaks in this home.



outlet, wall, door, window, floor, fireplace

1. _____ 3. _____ 5. _____

2. _____ 4. _____ 6. _____

**Papa, can Ellie and I help you with the window?
It looks like fun.**



Who are we? Draw a line to our name.



Mrs. Smith has a new baby. Her house was very cold when Billy and Ellie visited.



Billy is an Energy Bear. He and Ellie help their family and friends save energy.



Baby Gabi is Billy and Ellie's baby sister.



KW stands for kilowatt. He is a member of the compact fluorescent light bulb family. KW helps people save a lot of energy and money.



Papa is Billy, Ellie, and Baby Gabi's father. He is a construction worker who knows how to fix things around the house to save energy.



Ellie is an Energy Bear. She is Billy's older sister. Ellie and Billy help their family and friends save energy.



Teddy is Billy and Ellie's neighbor. He was a basketball player who was injured and uses a wheelchair. Teddy likes helping children with their homework.



Granny is Billy, Ellie and Baby Gabi's grandmother. She is a very good cook.

Things you can do to become an Energy Bear like Billy and Ellie. Get your family involved too. This helps save energy and money for your family. Fill in the blanks with the words on the top.

caulked 78 °F quickly

5 minutes full load lint filter

NEVER turn off recycle PEEK

1. Appliances:

- ☆ _____ video games, stereo, DVD, TV, and computer when you finish playing.
- ☆ When your family goes on vacation, turn off VCR, and any other audio components.

2. Lights:

- ☆ Turn off lights in a room when you will be gone for more than _____.
- ☆ Use fluorescent light bulbs.

3. Cooking:

- ☆ Use a microwave, toaster oven, and crockpot for small meals.
- ☆ Don't _____! By opening the door or lifting the lid when cooking, you lose heat.

4. Refrigerator:

- ☆ Cover liquids and wrap food.
- ☆ Open and shut the refrigerator door _____.
- ☆ Do not keep your refrigerator temperature too cold.

5. Dishwasher:

- ☆ Make sure it's a _____.
- ☆ Let dishes air dry by opening the door a little.

6. Clothes Washer/Dryer:

- ☆ Wash and dry full loads.
- ☆ Clean the _____ in the dryer after every load.
- ☆ Once in a while check the dryer vent to make sure it's not blocked.
- ☆ Dry loads one after the other to _____ the heat.
- ☆ On sunny days, dry your clothes outside.

7. Furnace:

- ☆ Keep the furniture and drapes from blocking the heaters.
- ☆ _____ use the stove to heat the house.
- ☆ Set thermostat at 68 °F in the winter.

8. Air Conditioner:

- ☆ Set thermostat at _____ on a summer day.
- ☆ Keep window shades closed during the day.
- ☆ Use fans for cooling.

9. Windows and Doors:

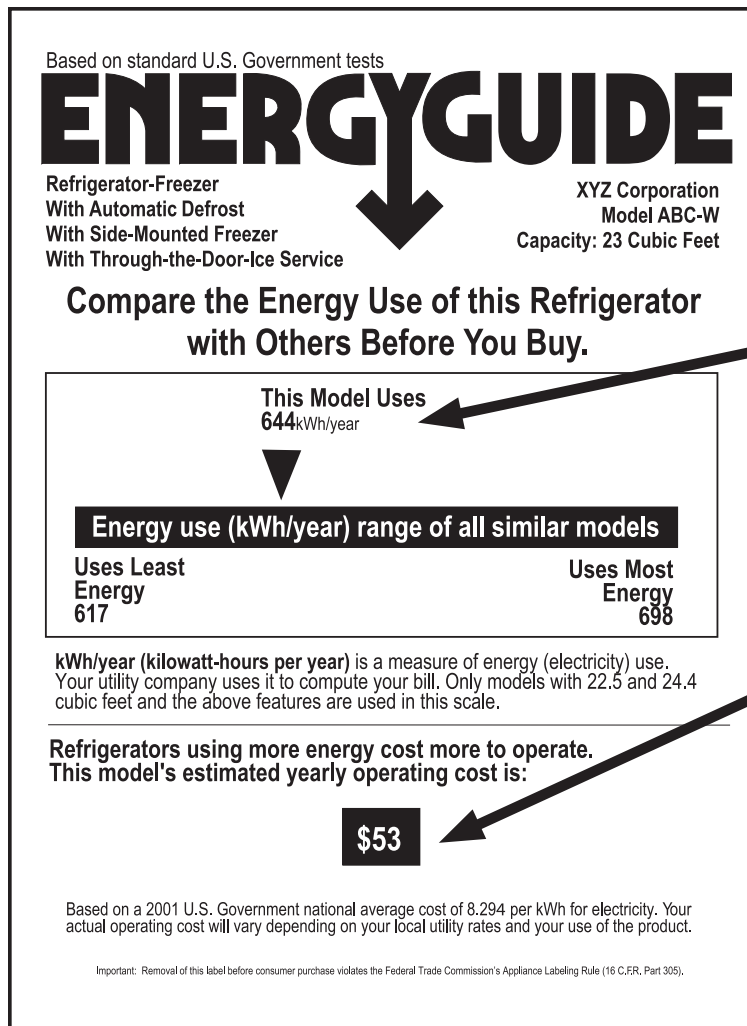
- ☆ Make sure windows and doors are _____ and weatherstripped.

ENERGY STAR Label

When shopping for appliances, electronics, lighting, heating, and cooling, look for the ENERGY STAR® Label. Products with the ENERGY STAR® Label use less energy and save money. This is what the label looks like.

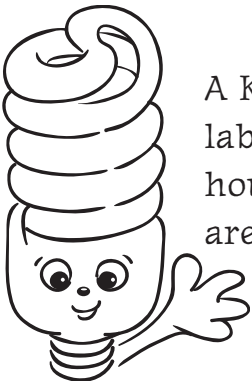
How to Read the EnergyGuide Label

The EnergyGuide Label is yellow. It gives you two important pieces of information you can use to compare appliances. This one is for a refrigerator:



This shows how much energy is used in kilowatt hours (KWH).

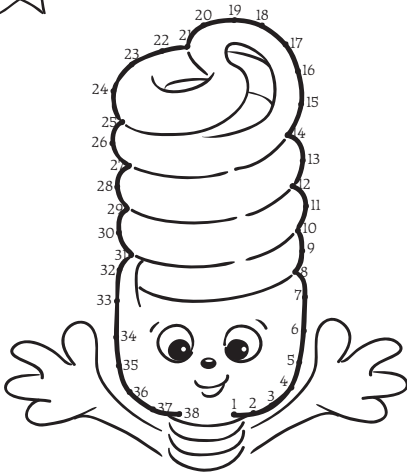
This shows how much it costs to run the appliance for a year. The lower the number the better.



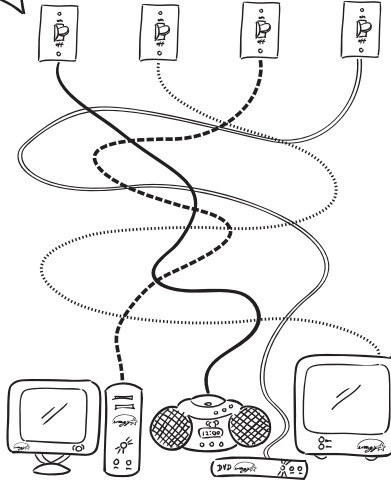
A Kilowatt is a unit of power that is equal to 1,000 watts. The above sample label shows the refrigerator used 644 kilowatt hours which is 644,000 watt hours of electricity per year. Your utility bill usually shows how much you are charged for the number of kilowatt hours you used.

ANSWERS

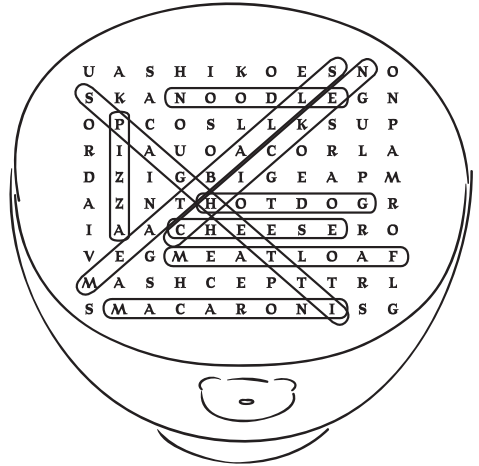
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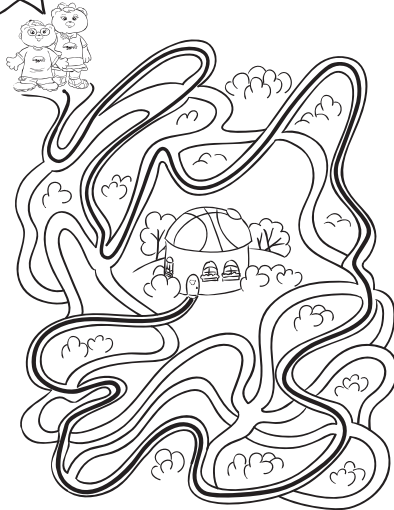
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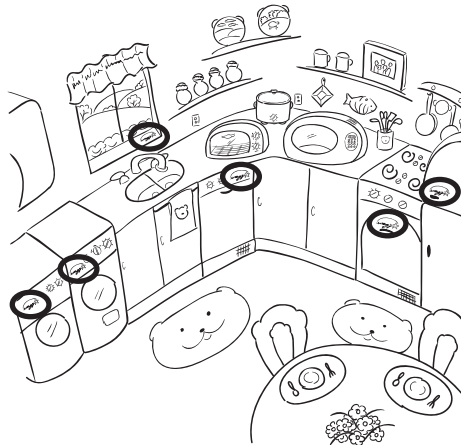
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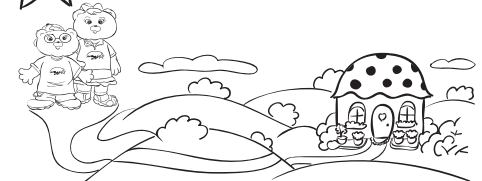
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12



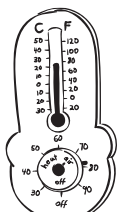
15



KILOWATT?

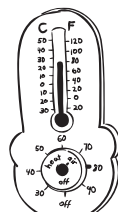
KW	kit	kilo
kilt	walk	wilt
wait	wit	wok
watt	tow	to
two	total	tilt
talk	owl	ow
ok	aw	at
it	lot	low

17



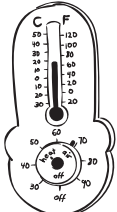
SUMMER DAY
78°F or 87°F

X



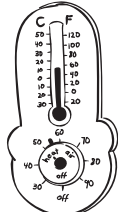
SUMMER NIGHT
80°F or 70°F

X



WINTER DAY
68°F or 86°F

X



WINTER NIGHT
70°F or 55°F

X

19



outlet, wall, door, window, floor, fireplace

1. outlet 3. floor 5. door
2. window 4. wall 6. fireplace

21



Mrs. Smith has a new baby. Her house was very cold when Billy and Ellie visited.

Billy is an Energy Bear. He and Ellie help their family and friends save energy.

Baby Gabi is Billy and Ellie's baby sister.

KW stands for kilowatt. He is a member of the compact fluorescent light bulb family. KW helps people save a lot of energy and money.

Papa is Billy, Ellie, and Baby Gabi's father. He is a construction worker who knows how to fix things around the house to save energy.

Ellie is an Energy Bear. She is Billy's older sister. Ellie and Billy help their family and friends save energy.

Teddy is Billy and Ellie's neighbor. He was a basketball player who was injured and uses a wheelchair. Teddy likes helping children with their homework.

Granny is Billy, Ellie and Baby Gabi's grandmother. She is a very good cook.

22

- 1) turn off 2) 5 minutes 3) PEEK 4) quickly 5) full load
6) lint filter; recycle 7) NEVER 8) 78 °F 9) caulked

Acknowledgements

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Services and Development (CSD).

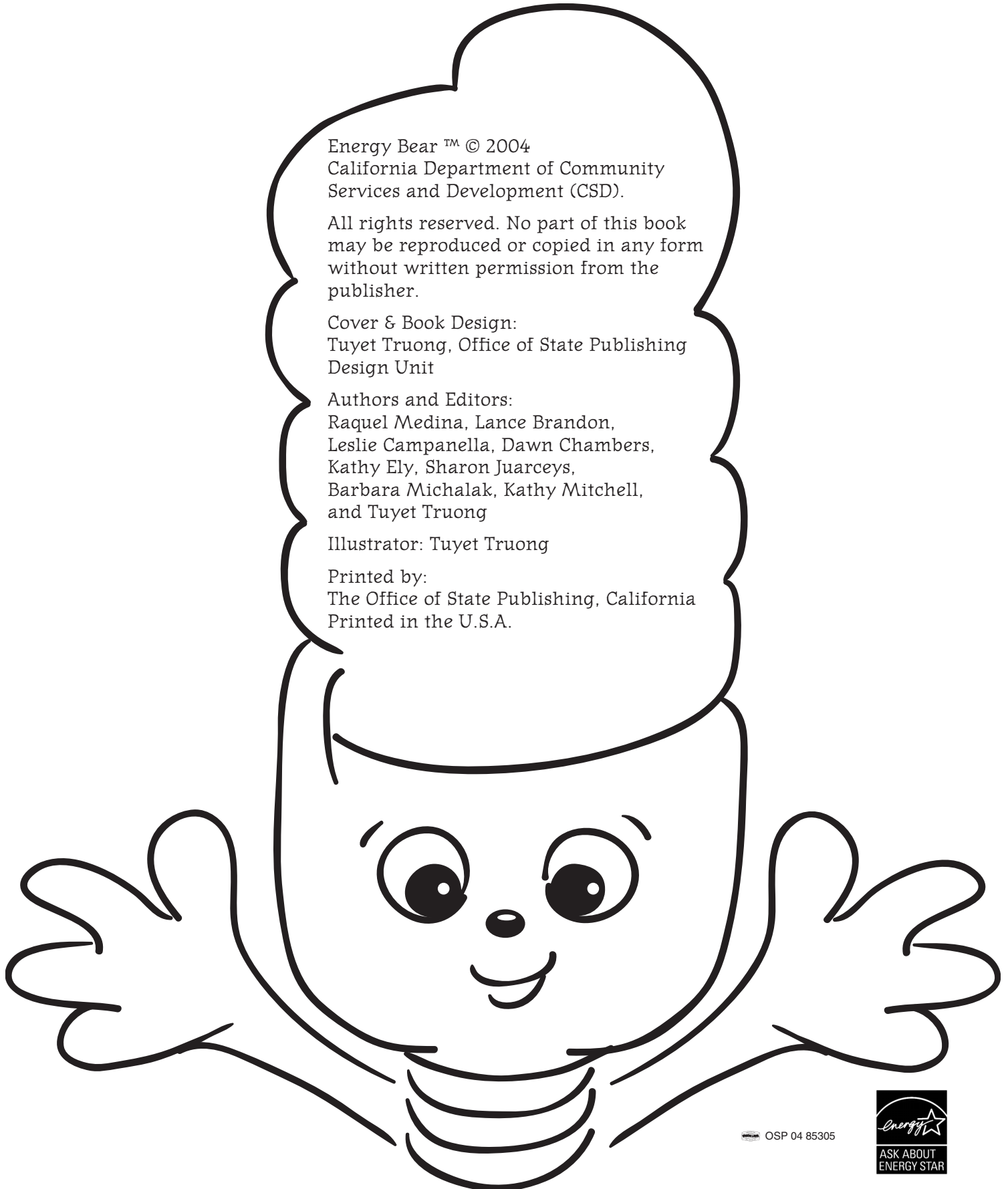
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Energy Assistance for Low-Income California Residents

Eligible low-income California residents can reduce the cost of energy through one or more of the following free services available through local service providers.

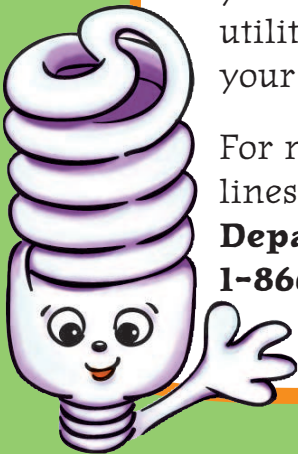
The **Weatherization Assistance Program** provides free installation of energy conservation measures to help homes stay warm in the winter and cool in the summer.

The **Home Energy Assistance Program (HEAP)** offers cash assistance to help pay household energy expenses.

The **Energy Crisis Intervention Program** is available for energy-related emergencies to cover the cost of utility bills, arrearages and emergency repairs of heating and/or cooling devices, particularly for households with individuals who are elderly, under 6 years of age, or disabled.

You may also qualify for a **Reduced Rate Program** to trim down your monthly gas and electric bill up to **30%**. Check with your local utility company to find out more about the Reduced Rate Program in your area.

For more information about all of these programs, eligibility guidelines and the service provider in your area, **call the California Department of Community Services and Development** at **1-866-675-6623 (toll free)**, or visit the website at **www.csd.ca.gov**.



**Your Local Energy Assistance
Service Provider is**

A large, empty rectangular box with a white background and an orange border, intended for the user to write the name of their local energy assistance service provider.